

Connecting the FI-MONKEY(AB27) ECU to the Enigma Bluetooth version

Supported models of this manual

ENIGMA type ENIGMA (EBD340 / EBD340RTF)

Vehicle type HONDA FI-MONKEY (Fuel injection car JBH-AB27-190~)

If you use the RTF type, remove the coupler which is connected to the ECU, please connect the coupler that has come out from ENIGMA RTF to the ECU and the vehicle body side. Please make sure that the lock sound is a "click".

Installation should be done in a safe place.

A basic knowledge of FI-MONKEY(Fuel injection car JBH-AB27-190~) maintenance is necessary.

There is an ECU under the seat and remove gas tank side cover and rubber mount.

Remove the 33pin coupler then the ECU.

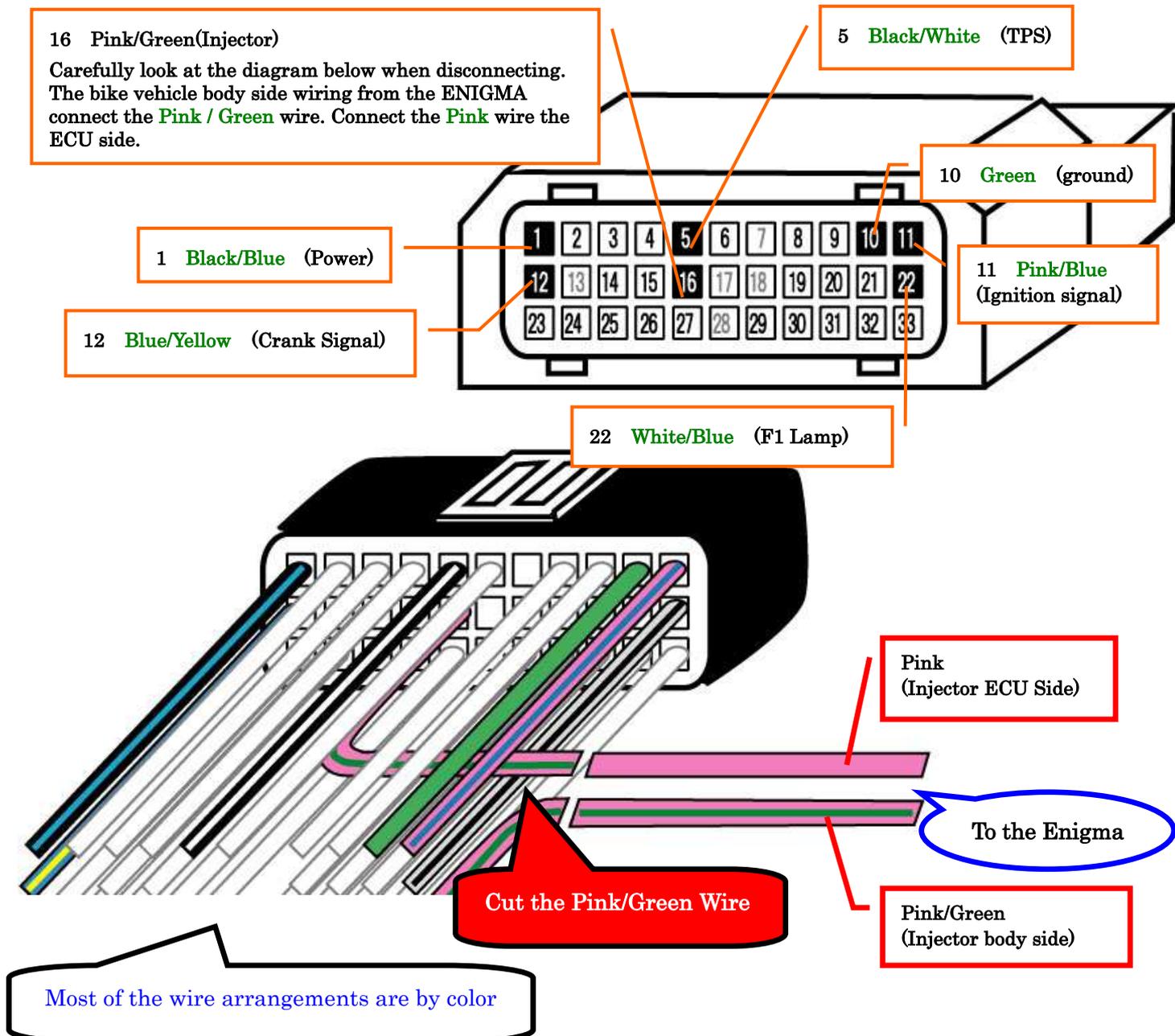
Make an **interrupt connection** from the ENIGMA wiring to the wiring on the coupler side.

(AN interrupt connection can made without cutting but by making a branch in the normal connection)

Do not use an electro tap on the interrupt wiring connection. It causes many connection issues that are problematic to the operation of the ENIGMA. (Use solder or the like for improved reliability.)

The wires from the Enigma will be the fundamentally the same, or similar to that of the wires it will connect to from the bike. Please carefully follow the diagram below when making the connection. There are a total of 8 wires.

- By cutting the No.16 Pin (pink / green) wire of ECU (Injecttor), the bike vehicle body side wiring from the ENIGMA connect the pink / green wire. Connect the pink wire the ECU side.
- **In order to prevent the reporting water from entering into the ENIGMA inside from the base of the wiring from the ENIGMA , it is recommended that you install in the lower wiring side in the vertical the ENIGMA .**
- **The purple wire is a engine revolution output service cable and is not to be connected to the ECU.**



- ECU terminal connected 7wires 1,5,10,11,12,16,22. Please confirm the picture.
- The purple line is the service output line. The ENIGMA will output 5V each crank rotation. Most commercially available digital tachometers are supported. Exact values will be displayed if these cables are connected. They are useful to various applications. Do not short-circuit by taping when there is no need.
- The limiter has not been canceled after the wiring connection is complete. It can be easily canceled by communicating with the Enigma operating software on a smartphone or PC.
- Please use the **ENIGMA** dedicated app for the iOS/Android version of the app. Download the **FI-MONKEY (AB27)** dedicated ENIGMA app from the model selection screen in the app. **For ENIGMA is also compatible with ENIGMA type-P. Other Vehicle dedicated apps cannot be used.**
- Please use the **FI-MONKEY (AB27)** dedicated ENIGMA PC software. **For ENIGMA is also compatible with ENIGMA type-P. Other Vehicle, Other ENIGMA dedicated PC software,cannot be used.**
- The Enigma operating software for smartphone or PC can be downloaded free from our website.
<http://www.dilts-japan.com>

Connecting the FI-MONKEY(AB27) ECU to the Enigma type-P Bluetooth version

Supported models of this manual

ENIGMA type ENIGMA type-P (EBD340P / EBD340PRTF)

Vehicle type HONDA FI-MONKEY (Fuel injection car JBH-AB27-190~)

If you use the PRTF type, remove the coupler which is connected to the ECU, please connect the coupler that has come out from ENIGMA PRTF to the ECU and the vehicle body side. Please make sure that the lock sound is a "click".

Installation should be done in a safe place. A basic knowledge of FI-MONKEY(Fuel injection car JBH-AB27-190~) maintenance is necessary.

There is an ECU under the seat and remove gas tank side cover and rubber mount. Remove the 33pin coupler then the ECU.

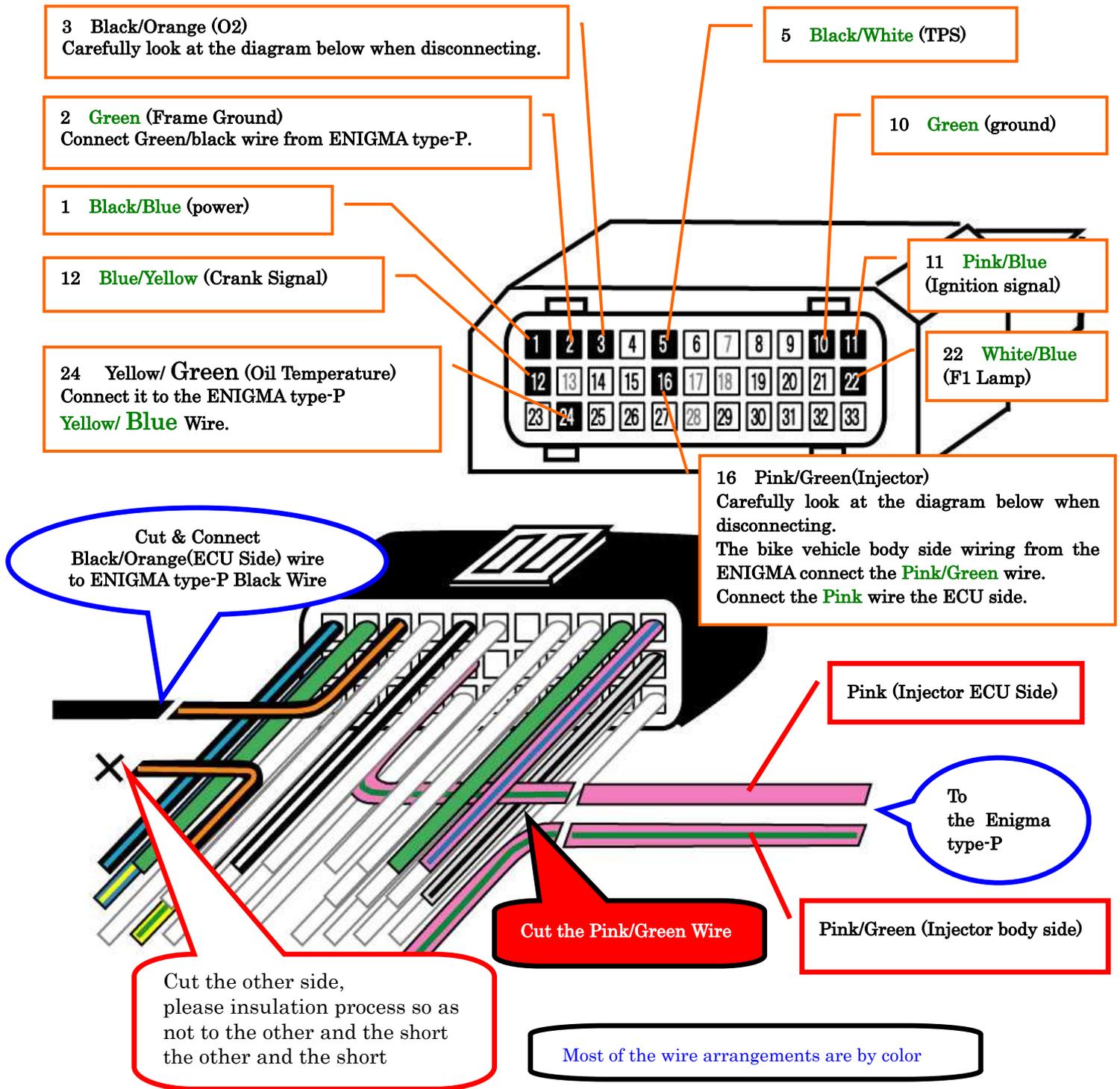
Make an **interrupt connection** from the ENIGMA type-P wiring to the wiring on the coupler side. (AN interrupt connection can made without cutting but by making a branch in the normal connection) Do not use an electro tap on the interrupt wiring connection. It causes many connection issues that are problematic to the operation of the ENIGMA type-P. (Use solder or the like for improved reliability.)

The wires from the ENIGMA type-P will be the fundamentally the same, or similar to that of the wires it will connect to from the bike. Please carefully follow the diagram below when making the connection. There are a total of 10 wires.

- By cutting the No.16 Pin (Pink / Green) wire of ECU (Injecttor), the bike vehicle body side wiring from the ENIGMA type-P connect the Pink / Green wire. Connect the Ppink wire the ECU side.
- By cutting the No.3 Pin (black / orange) wire of ECU (O2 sensor), the ECU side wiring from the ENIGMA type-P Connect the Black wire. Insulation processing the Bblack / Orange wire the vehicle body side.
- No.24 Pin (Oil Temperature) the Yellow/**Green** wire of ECU to be connected to the Yellow/**Blue** wire from the ENIGMA type-P .
- Green / black line to be connected to the body earth (frame GND) or the No.2 Pin (Green) wire of ECU or the minus terminal of the battery. Do not connect to the No.9 Pin and No.10 Pin (Green) wire of the ECU.
- In order to prevent the reporting water from entering into the ENIGMA type-P inside from the base of the wiring from the ENIGMA type-P , it is recommended that you install in the lower wiring side in the vertical the ENIGMA type-P.
- The purple wire is a engine revolution output service cable and is not to be connected to the ECU.

! Caution !

When I turned on an ignition by accelerator fully opening, ENIGMA type-P is in a communicable condition and flashes FI lamp, but the FI lamp of the monkey is very gloomy, and it flashes on and off for an electric bulb. You can check it by darkening it by surrounding it with your hand.



- Terminal that connects to the ECU is 1, 2, 3, 5, 10, 11, 12, 16, 22, 24 10places of. Please check the above diagram.
- The purple line is the service output line. The ENIGMA type-P will output 5V each crank rotation. Most commercially available digital tachometers are supported. Exact values will be displayed if these cables are connected. They are useful to various applications. Do not short-circuit by taping when there is no need.
- The limiter has not been canceled after the wiring connection is complete. It can be easily canceled by communicating with the Enigma operating software on a smartphone or PC.

- Please use the **ENIGMA** dedicated app for the iOS/Android version of the app.
Download the **FI-MONKEY (AB27)** dedicated ENIGMA app from the model selection screen in the app.
For ENIGMA is also compatible with ENIGMA type-P. Other Vehicle dedicated apps cannot be used.
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Replacer Idling syncing

Idling engine speed of the FI MONKEY(Fuel injection car JBH-AB27-190~) decide by the ECU.

Therefore,You can't do Idling speed up (or down) from the ENIGMA type-P.

When the ENIGMA type-P rotation speed and the ECU is determined by the different, fuel is rich or lean and engine stopped.

When the idling is stopped,Please move the slide bar to best position.

Caution

The MONKEY FI lamp blinks very dark. Please check in the dark around.